

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	149	92/155.ccls.	US-PGPUB; USPAT	OR	OFF	2007/04/09 11:11
S2	4	("5979297" "5937734" "6123009" "6183212").pn.	US-PGPUB; USPAT	OR	OFF	2007/04/09 08:51
S3	80	("1218132"   "1679140"   "1964671"   "2225815"   "2302864"   "2426613"   "2612837"   "2621607"   "2795195"   "2922491"   "3295459"   "3414084"   "4068982"   "4222714"   "4498799"   "4512175"   "4568252"   "4662267"   "4673337"   "5056417"   "5078113"   "5178524"   "5364234"   "5375982"   "5382140"   "5511959"   "5564908"   "5571243"   "5655432"   "5769611"   "5775203"   "5839349"   "5848879"   "5875702"   "5947699").PN. OR ("3661479"   "5937734"   "5979297"   "6123009"   "6183212").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/09 09:52
S4	344	92/72.ccls.	US-PGPUB; USPAT	OR	OFF	2007/04/09 10:05
S5	18	("1016561"   "3441328"   "3628425"   "4693617"   "4760771"   "5441439"   "5462362"   "5823091"   "5937734"   "5979297"   "6077056"   "6095690"   "6350107"   "6722864"   "6739238"   "6910407").PN. OR ("7086324").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/09 10:24
S6	239	92/158.ccls.	US-PGPUB; USPAT	OR	OFF	2007/04/09 11:22
S7	266	92/159.ccls.	US-PGPUB; USPAT	OR	OFF	2007/04/09 11:39
S8	757	92/129.ccls.	US-PGPUB; USPAT	OR	OFF	2007/04/09 11:12
S9	341	91/491.ccls.	US-PGPUB; USPAT	OR	OFF	2007/04/09 11:12
S11	137	plunger with foot with plate	US-PGPUB; USPAT	OR	OFF	2007/04/09 11:23
S12	1176936	cam or ring	US-PGPUB; USPAT	OR	OFF	2007/04/09 15:55
S13	87162	eccentric	US-PGPUB; USPAT	OR	OFF	2007/04/09 15:55
S15	378957	piston or plunger	US-PGPUB; USPAT	OR	OFF	2007/04/09 15:55
S16	18824	radial same pump	US-PGPUB; USPAT	OR	OFF	2007/04/09 15:55

## EAST Search History

S17	639	S12 same S13 same S15 and S16	US-PGPUB; USPAT	OR	OFF	2007/04/09 15:56
S18	953902	cavity or cavities or grooves or pores or indents or indentations	US-PGPUB; USPAT	OR	OFF	2007/04/09 19:11
S19	295	S17 and S18	US-PGPUB; USPAT	OR	OFF	2007/04/09 17:17
S20	0	(10/568811).APP.	USPAT; USOCR	OR	OFF	2007/04/09 15:59
S21	2	417/273.ccls. and (micron or micrometer or ".mu.m")	US-PGPUB; USPAT	OR	OFF	2007/04/09 17:20
S22	1176936	cam or ring	US-PGPUB; USPAT	OR	OFF	2007/04/09 17:20
S23	87162	eccentric	US-PGPUB; USPAT	OR	OFF	2007/04/09 17:20
S24	378957	piston or plunger	US-PGPUB; USPAT	OR	OFF	2007/04/09 17:20
S25	18824	radial same pump	US-PGPUB; USPAT	OR	OFF	2007/04/09 17:20
S26	639	S22 same S23 same S24 and S25	US-PGPUB; USPAT	OR	OFF	2007/04/09 17:20
S27	5	S26 and (micron or micrometer or ". mu.m")	US-PGPUB; USPAT	OR	OFF	2007/04/09 19:10
S28	2	(cam or ring) and (piston or plunger) and radial and pump and (micron or micrometer or ".mu.m")	FPRS; EPO; JPO; DERWENT	OR	OFF	2007/04/09 19:11
S29	1436	(cam or ring) and (piston or plunger) and radial and pump	FPRS; EPO; JPO; DERWENT	OR	OFF	2007/04/09 19:11
S30	1022244	cavity or cavities or grooves or pores or indents or indentations or recess or recesses	FPRS; EPO; JPO; DERWENT	OR	OFF	2007/04/09 19:11
S31	277	S29 and S30	FPRS; EPO; JPO; DERWENT	OR	OFF	2007/04/09 19:11
S32	1	2002-632541.NRAN.	DERWENT	OR	OFF	2007/04/09 19:28

## EAST Search History

S33	50	(US-20060280636-\$).did. or (US-5438913-\$ or US-6044101-\$ or US-4407518-\$ or US-5993176-\$ or US-6100748-\$ or US-5845616-\$ or US-4470607-\$ or US-5312192-\$ or US-4520712-\$ or US-5493951-\$ or US-5687974-\$ or US-5716055-\$ or US-3650180-\$ or US-4244279-\$ or US-4286829-\$ or US-4425011-\$ or US-4776260-\$ or US-4787271-\$ or US-4790726-\$ or US-4887956-\$ or US-4989411-\$ or US-5022228-\$ or US-5178524-\$ or US-5316106-\$ or US-5361797-\$ or US-5479957-\$).did. or (US-5518381-\$ or US-5549462-\$ or US-5626466-\$ or US-5667314-\$ or US-5743168-\$ or US-5800131-\$ or US-5846061-\$ or US-6176223-\$ or US-6179140-\$ or US-6432887-\$ or US-6189893-\$ or US-4825680-\$ or US-4367195-\$ or US-4469012-\$ or US-4492535-\$ or US-5009638-\$ or US-5685274-\$ or US-5720328-\$ or US-6035906-\$ or US-6234168-\$ or US-5490730-\$ or US-RE36405-\$ or US-5352046-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/04/10 09:12
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